BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Land-based Agriculture Pearson BTEC International Level 3 Diploma in Land-based Agriculture Pearson BTEC International Level 3 Extended Diploma in Land-based Agriculture
Unit number and title	Unit 15: Livestock Health and Diseases
Learning aim(s)	**B** Undertake health assessments for effective management of livestock health and welfare **C** Explore livestock health management strategies to prevent and control ill health
Assignment title	**Livestock Health**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You work on a mixed farm with a variety of livestock types. The Farm Manager is holding an Open Day for members of the public who are interested in setting up smallholdings or entering the farming industry. Your supervisor has asked you to develop some materials, which can be used to demonstrate to people attending the open day, the importance of farm livestock health management strategies.
Task 1	Your supervisor has asked you to produce a portfolio of evidence to demonstrate your ability to manage livestock health. Your portfolio must include: • an explanation of signs, treatments, prognosis and prevention of **two** livestock diseases and disorders, and **two** infestations. • evidence of your safely carrying out **three** detailed, complex health assessments of **three** different livestock species. Complex situations could include situations where the number of animals is larger, or the amount of information required to be recorded is greater. • evidence of your selecting and using treatments and delivery methods that are appropriate to their purpose, limitations, and resource constraints. • evidence that you can use suitable monitoring and recording methods that demonstrate that you are able to work in an organised way, so as not to waste time or resources. • include an explanation of the different monitoring and

	recording techniques and show how you have modified your techniques to suit the context. Your evidence must be supported by: • detailed records of practical health checks of **three** different livestock species. • witness statements and/or observer records of your carrying out practical health checking, monitoring and recording techniques. Include an analysis of ongoing monitoring regimes. You may include detailed health assessment records, annotated photographs and/or edited video recordings together with detailed observation records. <u>Report</u> Based on your findings from the health assessments produce a written report that evaluates the use of health assessments to manage *two* diseases and disorders, and **two** infestations, in livestock health, productivity and welfare planning. Evaluate the effectiveness of your own, and existing, livestock health management strategies. You must make recommendations for improvements to these strategies. Make valid judgements about the risks and limitations of each health assessment method, treatment options and preventative actions in relation to the causative agents and desired outcomes. Include in your report, an analysis to rationalise planning of a range of livestock health management strategies, considering the advantages, disadvantages and legal implications of implementing your plans. Consider the impact of clinical signs of **two** diseases and disorders, and **two** infestations, on the animal's health and welfare. Explain in detail how different treatments and preventative actions work. Finally make appropriate recommendations for improvement to the planning and practical implementation of livestock health management strategies, in terms of: • health • productivity • welfare

Checklist of evidence required	Practical portfolio to include health assessments, witness statements and/or assessor observations, written report.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
B.D2	Evaluate the use of livestock health assessments to manage health in complex situations.
C.D3	Evaluate the effectiveness of own and existing livestock health management strategies, making recommendations for improvement.
B.M2	Assess the health of livestock efficiently in complex situations, analysing appropriate use of indicators and treatment options.
C.M3	Carry out efficient recording and monitoring of interventions in complex livestock health management situations, analysing ongoing monitoring regimes.
B.P3	Perform techniques to assess livestock health in straightforward situations.
B.P4	Explain signs treatments, prognosis and prevention of livestock diseases and disorders.
C.P5	Carry out correct and safe routine recording and monitoring of interventions in livestock health management.
C.P6	Explain monitoring and record keeping in livestock health management.

Sources of information to support you with this Assignment	**Books** Carr J, Chen S, Connor J.F., Kirkwood R, Segales J. – *Pig Health* (CRC Press 2018) ISBN: 978-1498704724 Cardell K. – *Practical Sheep Keeping* (The Crowwod Press Ltd, 2012) ISBN: 978-1847973399 Damerow G. – *Chicken Health Hanbdbook* (Storey Publishing 2016) ISBN: 978-1612120133 Lane D, Cooper B and Turner L (eds) – *BSAVA Textbook of Veterinary Nursing* (British Small Animal Veterinary Association, 2007) ISBN 9780905214894 Matthews J.G. – *Chicken Health Handbook* (Wiley-Blackwell 2016) ISBN: 978-1119073512 Meredith A and Johnson-Delaney (eds) – *BSAVA Manual of Exotic Pets* (British Small Animal Veterinary Association, 2002) ISBN 9780905214474 Santoro A – *Animal Health & Veterinary Medicine* (Syrawood Publishing House, 2018) ISBN: 978-1682866252 Shankland L. – *Pig Manual: The Complete Step by Step Guide to Keeping Pigs* (J.H.Haynes & Co. Ltd, 2011) ISBN: 978-0857330260 Simpson G (ed) – Practical Veterinary Nursing - Third

	Edition (British Small Animal Veterinary Association, 1994) ISBN 9780905214276 Straiton E. – *Cattle Ailments: Recognition and Treatment* (The Crowood Press Ltd 2000) ISBN: 978-1861263834 Straiton E. – *Sheep Ailments: Recognition and Treatment* (The Crowood Press Ltd 2001) ISBN: 978-1861263971 Thomas H.S. – *The Cattle Health Handbook* (Storey Publishing 2009) ISBN: 978-1603420907 Winter A.C. – *Sheep Health, Husbandry and Disease: A Photographic Guide* (The Crowood Press Ltd, 2011) ISBN: 978-1847972354